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PATENT APPLICATION  
10/786,782

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## **RULE 116 AMENDMENT RESPONSE TO FINAL REJECTION**

In re Application of: Allen L. Gilmer, et al.  
Serial No. 10/786,782  
Filing Date: February 25, 2004  
Group Art Unit: 2857  
Examiner: Donald E. McElheny Jr.  
Title: *Method of Seismic Exploration by Discriminating Horizontal and Vertical Shear Waves*

**MAIL STOP AF**  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

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Date of Deposit: October 5, 2005

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*Willie Jiles*  
Willie Jiles

Dear Sir:

### **RESPONSE TO EXAMINER'S ACTION**

In response to the Final Office Action mailed August 8, 2005, Applicants respectfully request the Examiner to reconsider the claims in view of the amendments and the comments as set forth below. Please amend the Application as follows.